

Mechanical Engineering / German Degree Guide

Fall Semester Year 1

4	MATH 2554	Calculus I
3	CHEM 1103	University Chemistry I
4	PHYS 2054	University Physics I
1	GNEG 1111	Introduction to Engineering I
3	ENGL 1013	English Composition I

15 Semester Hours

Summer School Session I

3	GERM 2003	Intermediate German I*
3	MEEG 2403	Thermodynamics

6 Semester Hours

Fall Semester Year 2

3	MEEG 2003	Statics
4	MATH 2574	Calculus III
4	Science Elective**	
0	MEEG 2100	CAD Competency
3	GEOS 2003	World Regional Geography
3	GERM 3003	Advanced German I

26 Semester Hours

Fall Semester Year 3

3	MEEG 3503	Mechanics of Fluids
2	MEEG 3202	MEEG Laboratory I
3	MEEG 3113	Machine Dynamics & Controls
3	MEEG 3013	Mechanics of Materials
3	ELEG 3903	Circuits & Machines
3	GERM 3013	Introduction to Literature

17 Semester Hours

YEAR 4 ABROAD

Study Abroad Semester

3	Technical/Science Elective	
3	GERM 4213	German Civilization
3	Technical/Science Elective	
3	Fine Arts Elective	

12 Semester Hours

Fall Semester Year 5

3	MEEG 4483	Therm. Sys. Analysis & Design
2	MEEG 4132	Professional Engr. Practice
1	MEEG 4131	Creative Project Design I
2	MEEG 4202	MEEG Laboratory III
3	Technical/ Science Elective	
3	Technical/Science Elective	

14 Semester Hours

Spring Semester Year 1

4	MATH 2564	Calculus II
4	PHYS 2074	University Physics II
3	MEEG 2303	Introduction to Materials
1	GNEG 1121	Introduction to Engineering II
3	ENGL 1023	Composition II

15 Semester Hours

Summer School Session II

3	GERM 2013	Intermediate German II
3	HIST 1113	World Civilizations I

6 Semester Hours

Spring Semester Year 2

4	MATH 2584	Differential Equations
3	MEEG 2703	Computer Methods
3	MEEG2103	Intro to Machine Analysis
3	MEEG 2013	Dynamics
3	GERM 4003	Advanced German II

16 Semester Hours

Spring Semester Year 3

3	MEEG 4413	Heat Transfer
4	MEEG 4104	Machine Element Design
2	MEEG 3212	MEEG Laboratory II
3	ELEG 3933	Circuits & Electronics
3	GERM 3033	Conversation

15 Semester Hours

International Internship Abroad

Internship in German-Speaking Country

3	GERM 3000+	Elective
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3 Semester Hours

Spring Semester Year 5

3	HIST 2003, HIST2013, or PLSC 2003	
3	ECON 2013/2143	MacroEcon/Basic Econ
3	MEEG 4133	Creative Project Design II
3	HIST 1123	World Civilizations II
3	PHIL 3103	Ethics and the Professions

15 Semester Hours

160 Total Hours

* This is based on the assumption that the student already has credit for GERM 1003 and 1013. Otherwise the student will need to take those classes as well, adding 6 extra hours to their studies.

** Science electives must come from an approved list.

*** Must be taken in German